

**28.** The electronic device of claim **27**, wherein the first processor is further configured to control to perform an operation corresponding to the activity information.

**29.** An electronic device comprising:

a memory;

a first processor; and

a second processor configured to:

control to operate a sensor of the electronic device that obtains motion information of the electronic device, control to write the motion information in the memory, and

control to send a notification to the first processor in a sleep state,

wherein the first processor is configured to control to read motion information from the memory based on the notification, and the motion information read by the first processor is written in the memory while the first processor is in the sleep state.

**30.** The electronic device of claim **29**, wherein the motion information obtained by the sensor is for determining, by the second processor, whether the electronic device is moving or stationary.

**31.** The electronic device of claim **29**, wherein the sensor comprises one of an acceleration sensor and a gyro sensor.

**32.** The electronic device of claim **29**, wherein the notification indicates existence of the motion information in the memory.

**33.** The electronic device of claim **29**, wherein the first processor is further configured to, after transitioning from the sleep state to a wake-up state, control to analyze the motion information read by the first processor to provide activity information for a user of the electronic device.

**34.** The electronic device of claim **33**, wherein the first processor is further configured to control to perform an operation corresponding to the activity information.

**35.** A method of an electronic device comprising a first processor and a second processor, the method comprising:

controlling, by the second processor, to operate, while the first processor is in a sleep state, a sensor of the electronic device that obtains motion information of the electronic device;

controlling, by the second processor, to write the motion information in the memory;

controlling, by the second processor, to send a notification to the first processor in the sleep state; and

controlling, by the first processor, to read the motion information from the memory based on the notification.

**36.** The method of claim **35**, wherein the motion information is for determining whether the electronic device is moving or stationary.

**37.** The method of claim **35**, wherein the sensor comprises one of an acceleration sensor and a gyro sensor.

**38.** The method of claim **35**, wherein the notification indicates existence of the motion information in the memory.

**39.** The method of claim **35**, further comprising:

controlling, by the first processor, to analyze the motion information to provide activity information for a user of the electronic device after the first processor transitions from the sleep state to a wake-up state.

**40.** The method of claim **39**, further comprising:

controlling, by the first processor, to perform an operation corresponding to the activity information.

**41.** A method of an electronic device comprising a first processor and a second processor, the method comprising:

controlling, by the second processor, to operate sensor of the electronic device that obtains motion information of the electronic device;

controlling, by the second processor, to write the motion information in a memory;

controlling, by the second processor, to send a notification to the first processor in a sleep state; and

controlling, by the first processor, to read motion information from the memory based on the notification, wherein the motion information read by the first processor is written in the memory while the first processor is in the sleep state.

**42.** The method of claim **41**, wherein the motion information obtained by the sensor is for determining, by the second processor, whether the electronic device is moving or stationary.

**43.** The method of claim **41**, wherein the sensor comprises one of an acceleration sensor and a gyro sensor.

**44.** The method of claim **41**, wherein the notification indicates existence of the motion information in the memory.

**45.** The method of claim **41**, further comprising:

controlling, by the first processor, to analyze the motion information obtained by the first processor to provide activity information for a user of the electronic device after the first processor transitions from the sleep state to a wake-up state.

**46.** The method of claim **41**, further comprising:

controlling, by the first processor, to perform an operation corresponding to the activity information.

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